Human TM2 domain-containing protein 3 (TM2D3) ELISA Kit

Catalog No: #EK6485

Package Size: #EK6485-1 48T #EK6485-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Human TM2 domain-containing protein 3 (TM2D3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	BLP2; BBP-like protein 2
Accession No.	Q9BRN9
Uniprot	Q9BRN9
GeneID	80213;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate TM2D3 in samples. An antibody specific for TM2D3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTM2D3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TM2D3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TM2D3 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:TM2D3 contains a structural module related to that of the seven transmembrane domain G protein-coupled receptor superfamily. This protein has sequence and structural similarities to the beta-amyloid binding protein (BBP), but, unlike BBP, it does not regulate a response to beta-amyloid peptide. The deduced 221-amino acid protein contains several features of a G protein-coupled receptor, including 2 putative transmembrane domains in its C-terminal half, a DRY motif, and conserved cysteines and lysines. Northern blot analysis detected variable expression of a 1.4-kb BLP2 transcript in all human tissues examined. In situ hybridization of cynomolgus monkey coronal sections revealed extensive expression in neurons of the hippocampus/entorhinal cortex and neocortical regions.

Note: This product is for in vitro research use only